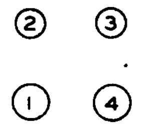
Cunningham Radiotron

RCA-32

SCREEN GRID R-F AMPLIFIER

32

Filament	Coated		
Voltage	2.0		d-c volts
Current	0.060		amp.
Direct Interelectrode Capacitances:			
Grid to Plate (with shield-can)		0.015 max.	μμf
Input		5.3	μμf
Output		10.5	μμf
Overall Length		4-25/32" to 5-1/32"	
Maximum Diameter		1-13/16"	
Bulb		ST-14	
Cap		Small Metal	
Base		Medium 4-Pin	



Pin 1-Filament +
Pin 2-Plate
Pin 3-Screen
Pin 4-Filament -
Cap -Grid

BOTTOM VIEW

AMPLIFIER (Class A)

Operating Conditions and Characteristics:

Filament	2.0	2.0	volts
Plate	135	180 max.	volts
Screen	67.5	67.5	max. volts
Grid	-3	-3	volts
Amp. Fact.	610	780	
Plate Res.	0.95	1.2	megohms
Mut. Cond.	640	650	μmhos
Plate Cur.	1.7	1.7	ma.
Screen Cur.	0.4	0.4	max. ma.

Grid-coupling resistor, if used, should not exceed 2.0 megohms.

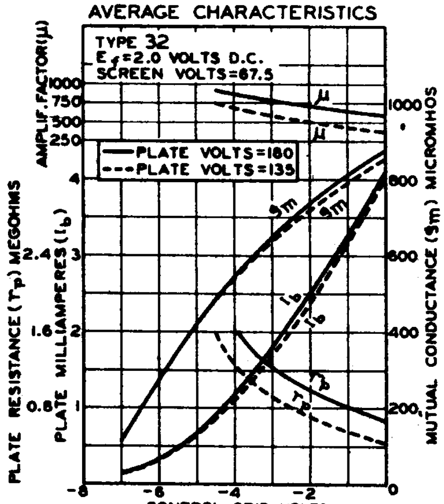
DETECTOR

Typical Operation:	*Biased*		*Grid-Leak*	
Filament	2.0	2.0	2.0	volts
Plate-Supply	135	180	135	volts
Screen	45	67.5 max.	Up to 45	volts
Grid	-4.5#	-6#	Return to (+) Fil.	volts
Plate Load	0.1 *	0.1 *	0.1 *	megohm
Plate Cur.	Adjusted to 0.2 ma. with no input signal.		-	
Grid Leak	-	-	1-5	megohms
Grid Condenser	-	-	0.00025	μf

* Or equivalent impedance. In designing circuits to use the 32 as a detector, it is desirable to work from the detector stage directly into the power output stage.

\# Approximate.

AVERAGE CHARACTERISTICS



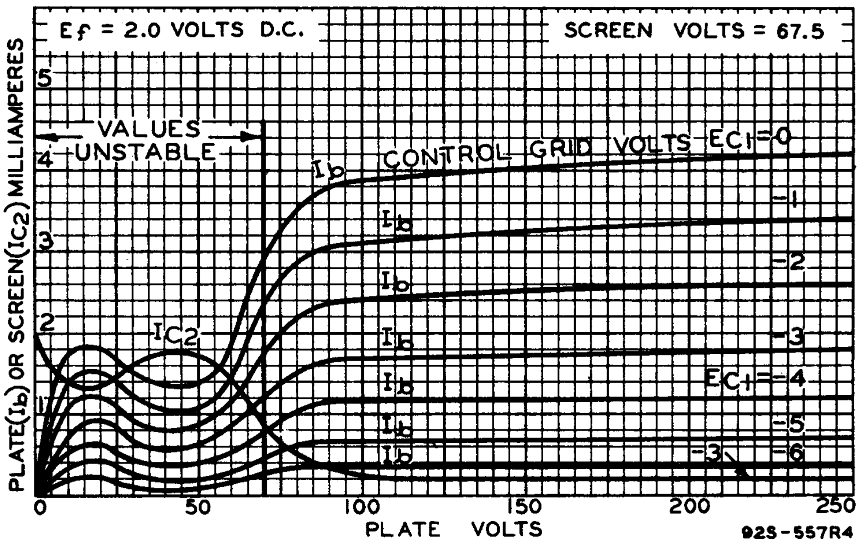
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32

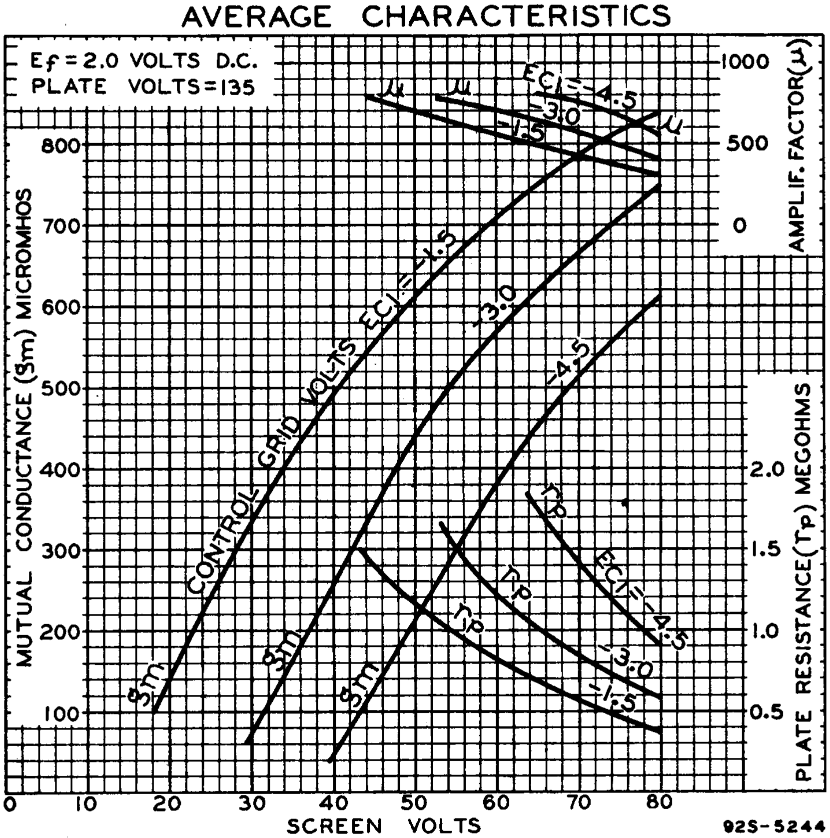
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RCA-32

AVERAGE PLATE CHARACTERISTICS



AVERAGE CHARACTERISTICS



SEPT. 9, 1935

RCA RADIOTRON DIVISION
RCA MANUFACTURING COMPANY, INC.

92C-4472